

TEL :

Jan 03.01

8:24 No.001 P.17

**ATHENICA**

ENVIRONMENTAL SERVICES INC.

TEL (718) 794-7490
FAX (718) 794-4885**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY****CLIENT:** Wanca & Pauer Engineers, P.C.
LABORATORY ID #: 702-11-065**ANALYT. METHODOLOGY:** AHERA**FILTER TYPE:** M.C.E.**AVERAGE G.O. AREA (mm²):** 0.013433**PROJECT:** NYC DEP, 100 Church Street**DATE OF REPORT:** 11/13/02**DATE OF ANALYSIS:** 11/13/02**EFFECTIVE FILTER AREA (mm²):** 385**LABORATORY RESULTS**

CLIENT #	LAB ID #	LOCATION	VOLUME (V)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	AVALY. SENSITIV. (micro/cm)	TOTAL ASBESTOS AIR CONC. (micro/cm)	TOTAL ASBESTOS FILTER CONC. (micro/cm)	AIR CONC. FOR STRUCT. ASSES-5mm	AIR CONC. FOR STRUCT. 25.0um	ASBEST. TYPE CTRYS	ALFIBRE ASBEST. TYPE SPECIFY
01	T02-11-065-4030	On 16 th floor entrance to setback	1560	4	0.0537	0.0046	<0.0046	<18.61	NA	NA	NA	NA
02	T02-11-065-4031	On setback east 16 th floor	1560	4	0.0537	0.0046	<0.0046	<18.61	NA	NA	NA	NA
03	T02-11-065-4032	On setback east 16 th floor	1560	4	0.0537	0.0046	<0.0046	<18.61	NA	NA	NA	NA
04	T02-11-065-4033	On setback south 16 th floor	1560	4	0.0537	0.0046	<0.0046	<18.61	NA	NA	NA	NA
05	T02-11-065-4034	On setback south 16 th floor	1560	4	0.0537	0.0046	<0.0046	<18.61	NA	NA	NA	NA

ANALYST
E. Stobuti

LABORATORY CERTIFICATION NUMBERS: NVLAP 101938, ELAP 10985**LABORATORY DIRECTOR**
Spiro Domaganis

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling equipment will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a free duplicate sample.
- If AES Inc., did not conduct the sampling, the reported airborne concentrations was derived based on information provided by the client. Under these circumstances, the air concentration data is applied solely for the convenience of the client.
- The report relates only to items tested. This report does not be used to claim product conformance by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

TEL :

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8:24 No.001 P.16

NEW YORK, NY 10017
(212) 922-0077
Fax (212) 922-0610

WARREN & PANZER ENGINEERS, P.C. AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

PAGE ____ OF ____

P.O. _____

CLIENT: DEP
PROJECT: 100 E 10th St
LOCATION: 16th St. SET BACK East

W&P FILE #: 1679-01-02
LABORATORY: MTA ENVICA
ANALYSIS METHOD: PCN TEM TEM
TECHNICIAN: J. Garcia

CONTACT: [Signature]
LW#: [Signature]
SCA JOB#: [Signature]

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP	FLOW RATE	START	STOP	ON	TIME	OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (mg/m ³)
1	ON 1ST ENTRANCE TO SET BACK	3		4	4	4	06:40	13:20	390	1560		
2	ON SET BACK EAST 16th St.	3		4	4	4	06:41	13:11	390	1560		
3	" " EAST 11	3		4	4	4	06:41	13:11	390	1560		
4	" " SOUTH 11	3		4	4	4	06:42	13:12	390	1560		
5	" " SOUTH 11	3		4	4	4	06:43	13:13	390	1560		
6	" " SOUTH 11	3		4	4	4	06:43	13:13	390	1560		
7	" " SOUTH 11	3		4	4	4	06:43	13:13	390	1560		
8	" " SOUTH 11	3		4	4	4	06:43	13:13	390	1560		

COMMENTS:

T02-11-065

SAMPLE BY: J. Garcia DATE: 11/11/02
SIGNATURE: [Signature]
RELEASED BY: [Signature] DATE: 11/11/02
SIGNATURE: [Signature]
RECEIVED BY: [Signature] DATE: 11/11/02
SIGNATURE: [Signature]

SAMPLE TYPE CODES	
1 - Blank	5 - Final Clearance (inside)
2 - Pre-Abatement	6 - Final Clearance (outside)
3 - During Abatement	7 - Personal
4 - During Glove Bag Removal	8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

TEL :

Jan 03,01

8:19 No.001 P.13

**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel: (718) 794-7498
Fax: (718) 794-4025**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY****CLIENT:** Warren & Packer Engineers, P.C.**LABORATORY ID #:** T02-11-063**ANALYT. METHODOLOGY:** AHERA**FILTER TYPE:** M.C.E.**AVERAGE G.O. AREA (mm²):** 0.01343**PROJECT:** NYC DEP, 100 Church Street**DATE OF REPORT:** 11/13/02**DATE OF ANALYSIS:** 11/13/02**EFFECTIVE FILTER AREA (mm²):** 385**LABORATORY RESULTS**

CLIENT #	LAB. ID #	LOCATION	VOLUME (m ³)	G.O.'s ANAL. YIELD	AREA ANALY. ZED (mm ²)	ANALYT. SENSITIVITY (femto/cm ³)	TOTAL ASBESTOS AIR CONC. (femto/cm ³)	TOTAL ASBESTOS FILTER CONC. (femto/cm ³)	AIR CONC. FOR STRUCT. 0.55-5µm	AIR CONC. FOR STRUCT. 5.5-9µm	ASBEST. TYPE CRYST.	AIRBOR. ASBEST. TYPE SPECIFY
ID01	T02-11-063-4020	TWA upper roof 3 rd	1660	4	0.0537	0.0043	<0.0043	<18.61	NA	NA	NA	NA
ID02	T02-11-063-4021	TWA upper roof 2 nd	1660	4	0.0537	0.0043	<0.0043	<18.61	NA	NA	NA	N/A
ID03	T02-11-063-4022	TWA upper roof 1 st	1660	4	0.0537	0.0043	<0.0043	<18.61	NA	NA	NA	NA
ID04	T02-11-063-4023	TWA exit to the upper roof	1660	4	0.0537	0.0043	0.0086	37.22	0.0043	0.0043	Chrys.	NA
ID05	T02-11-063-4024	By the door	1660	4	0.0537	0.0043	<0.0043	<18.61	NA	NA	NA	NA

ANALYST
E. Shoukri

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

LABORATORY DIRECTOR
Spiro Dongaris

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling results will be stored for sixty (60) days. AES Inc. should be notified within this time frame for a true duplicate analysis.
- If AES Inc. did not conduct the sampling, the reported asbestos concentrations was derived based on information provided by the client. Under these circumstances, the air concentration data is supplied solely for the convenience of the client.
- This report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

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8:19 No. 001 P. 12

228 East 45th Street
New York, NY 10017
(212) 822-0077
Fax (212) 822-0630

WARREN & PANZER ENGINEERS, P.C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

24 hr⁺/a12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate ⁺/a

PAGE 1 OF 1
P.O. _____

CLIENT: NYC DEP
PROJECT: 100 Church St
LOCATION: Roof

W&P FILE #: 1079-01-02
LABORATORY: W&P
ANALYSIS METHOD: PCM TEM TEM
circle one 7400 AHERA EPA LEVEL II

CONTACT: M. Cheek NOLAN

TECHNICIAN: EDRIS EDWARDS

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTRATION (lb./sec)
1D01	1st UPPER ROOF 3 RD	3		4	4	0630	1325	415	1666	
1D02	1st UPPER ROOF 2ND	3		4	4	0631	1326	415	1660	
1D03	1st UPPER ROOF 1ST	3		4	4	0632	1327	415	1660	
1D04	1st EAST to 1st UPPER ROOF	3		4	4	0633	1328	415	1660	
1D05	BY the beam	3		4	4	0636	1331	415	1660	
1D06	Field blank	1				N/A				
1D07	Field blank	1				N/A				
1D08	Sealed blank	1				N/A				

COMMENTS:

T02-11-063

SAMPLE BY: EDRIS EDWARDS DATE: 11-12-00
SIGNATURE: EDRIS EDWARDS
RELEASED BY: EDRIS EDWARDS DATE: 11-12-00
SIGNATURE: EDRIS EDWARDS
RECEIVED BY: A. CATHER DATE: 11/2/00
SIGNATURE: A. Cathey

SAMPLE TYPE CODES:	
1 - Blank	5 - Final Clearance (inside)
2 - Pre-Abatement	6 - Final Clearance (outside)
3 - During Abatement	7 - Personal
4 - During Glove Bag Removal	8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

TEL :

Jan 03, 01

8:19 No.001 P.11

**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel: (718) 764-7460
Fax: (718) 764-4081**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**

CLIENT: Warren & Puzer Engineers, P.C.

LABORATORY ID #: T02-11-062

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.013433

PROJECT: NYC DEP, 100 Church Street

DATE OF REPORT: 11/11/02

DATE OF ANALYSIS: 11/13/02

EFFECTIVE FILTER AREA (mm²): 385**LABORATORY RESULTS**

CLIENT #	LAB ID #	LOCATION	(m)	VOLUME	G.O.'S ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (micrograms)	TOTAL ASBESTOS AIR CONC. (micrograms)	TOTAL ASBESTOS FILTER CONC. (micrograms)	AIR CONC. FOR STRUCT. 0.5-5.0µm	AIR CONC. FOR STRUCT. 5-10µm	ASBEST. TYPE CHYS	ANALYT. TYPE SPECIM
01	T02-11-062-4015	On 16 th floor entrance to setback west	1340	5	0.0672	0.0043	<0.0043	<14.89	NA	NA	NA	NA	NA
02	T02-11-062-4026	On 16 th floor west of setback	1336	5	0.0672	0.0043	<0.0043	<14.89	NA	NA	NA	NA	NA
03	T02-11-062-4017	On 16 th floor west of setback	1336	5	0.0672	0.0043	<0.0043	<14.89	NA	NA	NA	NA	NA
04	T02-11-062-4018	On 16 th floor north of setback	1332	5	0.0672	0.0043	<0.0043	<14.89	NA	NA	NA	NA	NA
05	T02-11-062-4019	On 16 th floor south side of setback	1332	5	0.0672	0.0043	<0.0043	<14.89	NA	NA	NA	NA	NA

ANALYST
E. Stockin

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

LABORATORY DIRECTOR
Spico Domingus

- Athenica Environmental Services Inc. (AESI) is responsible only for information pertaining to samples taken by its employees.
- Air sampling cameras will be stored for 90 days. AESI Inc. should be notified within this time frame for a re-evaluation analysis.
- If AESI Inc. did not conduct the sampling, the reported airborne concentration was derived based on information provided by the client. Under these circumstances, the air concentration data is supplied solely for the convenience of the client.
- The report relates only to those tested. This report must not be used to obtain product endorsements by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AESI Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

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Jan 03.01

9:19 No.001 P.11



ANALYST
E. Siodan

LABORATORY CERTIFICA

- Athenica Environmental Services Inc.
- At all sampling locations will be tested
- by AAS Inc. and will include the following
- applied solely for the evaluation of
- The report reflects only the data received
- except in the case of any prior approval
- The liability of Athenica Environmental

CLEAR #	LAR ID #	LOCATI
01	T02-11-	On 16 th
	062-4015	ENTRANCE
02	T02-11-	On 16 th
	062-4026	BACK
03	T02-11-	On 16 th
	062-4017	SCHOOL
04	T02-11-	On 16 th
	062-4018	at school
05	T02-11-	On 16 th
	062-4019	side of set

TEL:

Jan 03.01

8:19 No.001 P.10

228 East 45th Street
New York, NY 10017
(212) 542-4017
Fax (212) 542-4020

WARREN & PANZER ENGINEERS, P.C.
AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

12 hr's 6 hr's 3 hr's Immediate 7/8

PAGE ____ OF ____
P.O. _____

CLIENT: D.E.P.
PROJECT: 100th Street
LOCATION: 16th St East West

WAP FILE #: 1079-01-02
LABORATORY: ATHENICA
ANALYSIS METHOD: PCM TEM
GAS ORTS: ATHENICA, EPA LEVEL 1
TECHNICIAN: R. GARCIA

CONTACT: AV/A
LIVE: SCA 1084

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP	FLOWMETER	ON	TIME	TOTAL TIME	VOLUME (m ³)	CONCENTR. (ppm)
1	On 16 th Entrance to set back	3	4	4	4	06:50	12:25	335	1340
2	" West set back	1	4	4	4	06:52	12:26	334	1336
3	" " " "	1	4	4	4	06:54	12:27	333	1332
4	" North " "	1	4	4	4	06:54	12:27	333	1332
5	" South side of school	3	4	4	4	06:54	12:27	333	1332
6	" " " "	1	4	4	4	06:54	12:27	333	1332
7	" " " "	1	4	4	4	06:54	12:27	333	1332
8	" " " "	1	4	4	4	06:54	12:27	333	1332

COMMENTS:

T02-11-062

SAMPLE BY: S. GARCIA DATE: 12/2/02
SIGNATURE: [Signature]
RELEASED BY: S. GARCIA DATE: 12/2/02
SIGNATURE: [Signature]
RECEIVED BY: [Signature] DATE: 12/2/02
SIGNATURE: [Signature]

1 - Blank	5 - Final Clearance (inside)
2 - Pre-Abatement	6 - Final Clearance (outside)
3 - During Abatement	7 - Personal
4 - During Glove Bag Removal	8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION